total control®

Owner's Manual

TRG-100

Umotion Remote

URC®

Control the Experience.

This remote control was Custom Programmed for you by:

For questions about your Custom Programming call:

Custom Programming of a complex home theater and/or a multi-room system is one of the most challenging tasks within an audio/video installation. It involves an intimate knowledge of how the components interact and exact details on the proper sequences of control.

Only a Total Control dealer has the requisite experience and training to quickly and effectively customize a remote control for true automated operation.

Congratulations on your choice!

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URC®

Control the Experience.

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Congratulations! 1

Parts Guide 1

Using the TRG-100 Umotion Remote 2

Installing the Batteries 4

Maintaining Your TRG-100 Umotion Remote 5

Specifications 5

Limited Warranty Statement 6

End User Agreement 8

Federal Communication Commission Interference Statement 9

Declaration of Conformity 10

Congratulations!

Thank you for purchasing the Total Control TRG-100 Umotion Remote. The TRG-100 works to control the MRX-20 Advanced System Controller's user interface. View and control your connected devices throughout your home with the user interface via a connected HDTV.

Control the on-screen interface with the remote's built in gyroscopic motion
The TRG-100's built-in gyroscopic motion allows for on-screen control and selection of all your connected devices.

RF "No Rules" Operation
The TRG-100 communicates directly to the MRX-20 via 2.4 GHz "bidirectional" RF. This gives the TRG-100 the ability to control your system without being in direct line of sight of the equipment. Use the optional TRF-GE1 to extend two-way communication between a TRG remote and an MRX-20 within a large space.

Requires MRX-20 or compatible MRX Advanced System Controller
In combination with an MRX-20 or compatible MRX Advanced System Controller, the TRG-100 Umotion Remote can control your home system via the on-screen interface.

Programmable only by URC Certified Professional Programmer
To fully automate your audio/video system, the programmer must have detailed knowledge of each component, LAN configuration, Wi-Fi optimization and how the system is connected and operated. Only a trained and certified professional audio/video installer can install a TRG-100 Umotion Remote in a timely and efficient manner.

Parts Guide

The TRG-100 Extender includes:

1 - TRG-100 Umotion remote
2 - "AA" Batteries
1 - Room Labels

Using the TRG-100 Umotion Remote

The TRG-100 remote consists of basic buttons found on many other remotes with the exception of the special Umotion button. Use these functions to control your rooms and connected devices. *All buttons may vary based on your Custom Professional's programming.*

Main
Turns ON the connected A/V devices while displaying the MRX-20's **System** menu. *For further details, refer to the MRX-20 Owner's Manual.*

Umotion Control
Allows for ***motion control*** and ***button selection*** via on-screen interface.

Volume +/- & Mute
Control the **Volume** while viewing connected devices like Cable, Sat , DVD etc... Also view the on-screen volume status via a display device.

Power
Turns the A/V connected devices in the room OFF.

Five-way cursor
- While watching devices such as Cable,DVD, Sat, etc.., use the **Left/Right/Up/Down** and **Select** buttons to navigate through the device menu.
- While in the System Menu, use the **Left/Right/Up/Down** and **Select** buttons to navigate via the on-screen menu.

Ch +/- Prev
Change **Channels** while viewing connected devices like Cable, Sat , DVD etc...

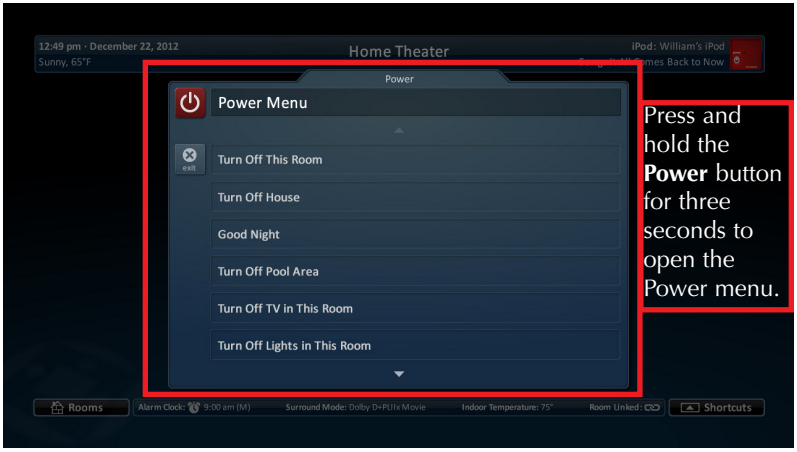
Using the TRG-100 Umotion Remote (*cont...)*

In addition to the basic options, it is important to know the additional features the buttons listed below provide, when controlling an MRX-20 Advanced System Controller.

Power: Turns the connected devices in the room OFF.

- When a room is **ON:** Pressing **Power** sends out a series of commands to turn off all connected A/V devices in that room,such as a display device or an optional SNP-1 music player.

- Pressing and holding the **Power** button for three seconds displays a programmer customizable on-screen **Power** menu. By default the options are: Turn OFF Room, Turn OFF House. Other options may vary based on the programming. *See Power Menu below.*



Main: Displays the MRX-20's **System** menu via a connected display device.

- When a room is **OFF:** Pressing **Main** sends out a series of commands to turn ON all required devices to view the on-screen display.

- When a room is **ON:** Pressing **Main**, while the display device is on, opens the System Main menu of the MRX-20.

Umotion: Allows for motion control and button selection via on-screen interface. Press the **Umotion** button to activate on-screen movement. Point the TRG-100 towards the television. As you move the remote, an on-screen pointer will mimic your movements. To select a button, hover over your selection and press the **Umotion** button. Placing the remote down for ten seconds, exits the on-screen motion control.

- When a room is **OFF:** No action occurs.

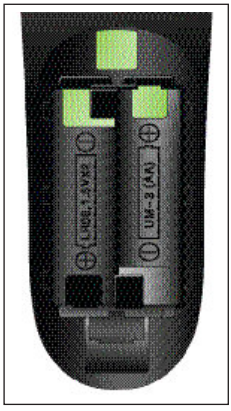
- When a room is **ON:** The display device shows a ***Shortcuts Menu*** screen.

Installing the Batteries

Open the battery cover by pushing up on the spring lock at the bottom of the cover. Remove the cover.

Observe the + and – polarity indicators inside the battery compartment and the batteries. Place the two AA batteries into their positions in the battery compartment.

Now, replace the battery cover and snap it into place.



Maintaining Your TRG-100 Umotion Remote

The TRG-100 Umotion Remote is not waterproof. Do not use it in any location that is damp or wet. If you spill water on it, remove the batteries and let the TRG-100 Umotion Remote dry for 48 hours before you try powering it up again. If you spill coffee or another beverage on it, clean it with distilled water. Make sure no water gets inside the TRG-100 Umotion Remote. Keep it away from extreme cold or heat. Be careful to not drop the TRG-100 Umotion Remote or slam it against anything.

Specifications

Microprocessor: ARM 32-bit Cortex™-M3

Memory: 16 Kbytes SRAM, 128 Kbytes Flash

RF Range(radio frequency): 50 to 100 feet, depending upon the environment

RF Freqency: 2.425~2.475 GHz

Weight: 2.6 oz

Size: 1.82" X 6.69" X 1.52"

Batteries: AA Battery 2EA

Limited Warranty Statement

1. Limited Warranty and Disclaimers
Universal Remote Control, Inc. ("URC") warrants that the URC equipment shall be free from defects in material and workmanship under normal usage for two (2) years from purchase when such is purchased from URC. **This limited warranty is valid only in the United States of America.** URC warrants that the software will substantially conform in any material respect to its functional specifications at the time of delivery. URC SHALL NOT BE LIABLE FOR OPERATIONAL, TECHNICAL OR EDITORIAL ERRORS AND/OR OMISSIONS MADE IN THE URC DOCUMENTATION. URC DOES NOT WARRANT THAT THE URC SOFTWARE IS BUG-FREE OR ERROR FREE OR THAT THERE ARE NO ERRORS/BUGS IN THE URC SOFTWARE.

URC warrants that at the time of purchase the URC equipment and the URC software complied with all applicable regulations and policies of the Federal Communications Commissions ("FCC") regarding electromagnetic interference caused by electronic/computing devices and to the extent that the URC equipment and/or the URC software fails to so comply, URC shall, at its own expense, take all reasonable measures to promptly cause such to comply.

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The warranty limitations and warranty disclaimers may not apply to end user in whole or in part, where such are restricted or excluded by applicable law and such shall apply to the maximum extent permitted by applicable law.

In the event of any warranty claim, URC will, at its sole option, repair the URC equipment using new or comparable rebuilt parts, or exchange the URC equipment for new or rebuilt equipment. **In the event of a defect, these are the end user's exclusive remedies.**

All the URC equipment returned for service, exchange or repair require an RGA number. To obtain an RGA number, you must complete a Return Request Form which you may obtain by calling (914) 835-4484 or contacting URC at returnrequest@universalremote.com. To obtain warranty service, end user must deliver the URC equipment, freight prepaid, in its original packaging or packaging affording adequate protection to URC at 420 Columbus Avenue, Valhalla, NY 10595. It is end user's responsibility to backup any macro programming, artwork, software or other materials that may have been programmed into the unit. It is likely that such data, software, or other materials will be lost during service and URC will not be responsible for any such damage or loss. A dated purchase receipt, bill of sale, installation contract or other verifiable proof of purchase is required. For the URC equipment support and other important information, please visit URC's website available at www.universalremote.com or call the Customer Service Center at (914) 835-4484.

This limited warranty only covers the URC equipment issues caused by defects in material or workmanship during ordinary consumer use. It does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, third-party installation, misuse, limitations of technology, or modification of or to any part of the URC equipment. This limited warranty does not cover the URC equipment sold as used, as is, refurbished, so called "B stock" or consumables (such as batteries). This limited warranty is invalid if the factory applied serial number has been altered or removed from the URC equipment. **This limited warranty specifically excludes the URC equipment sold by unauthorized resellers.**

With the exception of URC's IR-only, broad-based consumer remotes, none of URC's PC programmable remotes or any of our Total Control® whole-house

equipment are authorized for online internet sales. Buying URC's PC programmable remotes or any of our Total Control® whole-house equipment online means buying equipment that does not have a URC's limited warranty. Such equipment is not eligible for URC tech support or software support, either.

2. URC'S Limitations of Liability

IN NO EVENT SHALL URC BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY KIND OR LOSS OF PROFITS OR BUSINESS OPPORTUNITY, EVEN IF URC IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

IN NO EVENT SHALL URC BE LIABLE FOR LOSS OF OR DAMAGE TO DATA, COMPUTER SYSTEMS OR COMPUTER PROGRAMS.
URC'S LIABILITY, IF ANY, FOR DIRECT DAMAGES OF ANY FORM SHALL BE LIMITED TO ACTUAL DAMAGES, NOT IN EXCESS OF AMOUNTS PAID BY END USER FOR THE URC EQUIPMENT.

IN NO EVENT SHALL URC BE LIABLE FOR ANY EVENTS BEYOND ITS CONTROL, INCLUDING ANY INSTANCE OF FORCE MAJEURE.
IN NO EVENT SHALL URC BE LIABLE FOR THE ACTS OR OMISSIONS OF END USER OR ANY THIRD PARTY.

THE LIMITATIONS OF LIABILITY MAY NOT APPLY TO END USER IN WHOLE OR IN PART, WHERE SUCH ARE RESTRICTED LIMITED OR EXCLUDED BY APPLICABLE LAW AND SUCH SHALL APPLY TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW.

URC SHALL NOT BE HELD RESPONSIBLE FOR THE STATEMENTS MADE BY OTHERS.

SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO END USER. THIS LIMITED WARRANTY GIVES END USER SPECIFIC LEGAL RIGHTS AND END USER MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR JURISDICTION TO JURISDICTION.

End User Agreement

The terms and conditions of the End User Agreement available at www.universalremote.com/eua.php shall apply.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

- ◆ Reorient or relocate the receiving antenna.
- ◆ Increase the separation between the equipment and receiver.
- ◆ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ◆ Consult the dealer or an experienced radio/TV technician for help.

Warning!

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.
Note : The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC Caution

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communication Commission (FCC) Radiation Exposure Statement

This remote device is approved as a hand-held and hand-operated only portable (relative to hand) device which is normally operated at 5 cm from a person's body.

Declaration of Conformity

Company Name	:	OH SUNG ELECTRONICS CO., LTD.
Company Address	:	#181 GONG DAN-DONG, GUMI, GYEONG BUK, REPUBLIC OF KOREA
Contact Information	:	Phone: +82-54-468-7281, Fax: +82-54-461-8368
Brand Name	:	UNIVERSAL remote control
Product Name	:	RF Remote Controller
Model Name	:	TRG-100

This product herewith complies with the requirements of EMC Directive (2004/108/EC) and R&TTE Directive(1995/5/EC) issued by the Commission of the European Community

Compliance with these directives implies conformity to the following European Community

- EMC Directive
  - EN 55022(2010)
  - EN 55024(2010)
  - EN 61000-3-2(2006)+A1(2009)+A2(2009)
  - EN 61000-3-3(2008)
  - AS/NZS CISPR 22(2009)+A1(2010)
- R&TTE Directive
  - EN 60950-1(2006) + A11(2009) + A1(2010) + A12(2011)
  - ETSI EN 62479(2010)
  - ETSI EN 301 489-1 V1.9.2(2011)
  - ETSI EN 301 489-17 V2.2.1(2012)
  - ETSI EN 300 328 V1.8.1(2012)

List of test reports and/or certificate verified compliance with the standards above

- EMC Directive
  - Report No.
  - Testing Laboratory : Gumi College EMC Center
- R&TTE Directive
  - Certificate No.
  - Certificate Body : SIEMIC (No. 2200)

Date of issue : Dec. 19, 2014

Name and signature of authorized person : Quality Assurance Team
OH SUNG ELECTRONICS CO., LTD.

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